

In the Claims:

1. (Withdrawn) Specific therapeutic immunomodulatory complex, *characterized in that it* comprises:

- dual molecules constituted by the coupling of a functional amino acid arm, ensuring binding to a target, with a genetic RNA arm corresponding to the coded description of the composition of the functional arm,

- bacterial membrane fractions glycopeptides and/or lipopolysaccharides, the ribonucleic acids (RNA) being of ribosomal origin and extracted from strains chosen from the following group: *Helicobacter pylori*, *hepaticus*, *coronari*, *Campylobacter* or from a mixture thereof.

2. (Withdrawn) Immunomodulatory complex according to Claim 1, *characterized in that* the amino acids are amino acids from collagen.

3. (Withdrawn) Immunomodulatory complex according to Claim 2, *characterized in that* the amino acids from collagen are chosen from the following group: aspartic acid, hydroxyproline, threonine, serine, glutamic acid, proline, glycine, alanine, valine, methionine, isoleucine, leucine, tyrosine, phenylalanine, lysine, histidine, arginine, or a mixture thereof.

4. (Withdrawn) Immunomodulatory complex according to one of Claims 1 to 3, for its use in the treatment of diseases caused by *Helicobacter* bacteria, by the production of antibodies and the production of endogenous interferon. ✓

5. (Withdrawn) Immunomodulatory complex according to one of Claims 1 to 3, for its use as an anti-idiotypic vaccine against the idiotypes of anti-bacterial antibodies which make it possible to avoid, in particular, recidivations of the initial digestive tract pathology.

6. (Withdrawn) Immunomodulatory complex according to one of Claims 1 to 3, for its use against bacterial resistance to conventional antibiotic treatments and the like.

7. (Withdrawn) Anti -Helicobacter-specific immunomodulatory and vaccine complex according to one of the preceding claims, *characterized in that it is* presented in a packaging allowing the simultaneous administration of major anti-inflammatory agents of the corticoid type, of antibiotics, of antisecretory agents, (proton pump inhibitors, of the type including Omeprazole or anti-H2, and the like) or other products with bacteriostatic, bactericidal or bacteriolytic effects, for eradicating Helicobacter generating pathogeneses by factors linked to the bacterium (production of various cytotoxins, of inflammation mediators: Interleukin I, tumour necrosis factor alpha), or by factors linked to the host.

8. (Withdrawn) Immunomodulatory complex according to the preceding claim, *characterized by* a packaging in the form such that it can be administered by various routes: infusions, intravenous injections, subcutaneous injections, transdermal devices, or per os.

9. Cancelled.

10. Cancelled.

11. Cancelled.

12. Cancelled.

13. Cancelled.

14. Cancelled.

15. Cancelled.

16. Cancelled.

17. (Currently Amended) An ~~immunodulatory~~ immunomodulatory and *anti-Helicobacter-specific* vaccine complex comprising:

- (a) ribosomal ribonucleic acid extracted from bacteria selected from the group consisting of: *Helicobacter pylori*, *Helicobacter hepaticus*, *Helicobacter coronari*, or a mixture thereof;
- (b) the amino acids of the type III collagen; and

- (c) bacterial membrane fractions containing glycopeptides and/or lipopolysaccharides.

18. (Currently Amended) The ~~immunodulatory~~ immunomodulatory and vaccine complex according to claim 17 wherein the type III collagen comprises amino acids selected from the group consisting of aspartic acid, hydroxyproline, threonine, serine, glutamic acid, proline, glycine, alanine, valine, methionine, isoleucine, leucine, tyrosine, phenylalanine, lysine, histidine, arginine, and mixtures thereof.

19. (Currently Amended) The ~~immunodulatory~~ immunomodulatory and vaccine complex according to claim 17 for use in the treatment of diseases caused by *Helicobacter* bacteria, by the production of antibodies and the production of endogenous interferon.

20. (Currently Amended) The ~~immunodulatory~~ immunomodulatory and vaccine complex according to claim 18 for use in the treatment of diseases caused by *Helicobacter* bacteria, by the production of antibodies and the production of endogenous interferon.

21. (Currently Amended) The ~~immunodulatory~~ immunomodulatory and vaccine complex according to claim 17, for use as an anti-idiotypic vaccine against the idiotype of anti -*Helicobacter* sp. antibodies which make it possible to avoid recidivations of the initial digestive tract pathology caused by *Helicobacter* sp.

22. (Currently Amended) The ~~immunodulatory~~ immunomodulatory and vaccine complex according to claim 18, for use as an anti-idiotypic vaccine against the idiotype of anti -*Helicobacter* sp. antibodies which make it possible to avoid recidivations of the initial digestive tract pathology caused by *Helicobacter* sp.

23. (Currently Amended) The ~~immunodulatory~~ immunomodulatory and vaccine complex according to claim 17, for use against antibiotic-resistant *Helicobacter* bacteria resistant to conventional treatments.

24. (Currently Amended) The ~~immunodulatory~~ immunomodulatory and vaccine

complex according to claim 18, for use against antibiotic-resistant *Helicobacter* bacteria resistant to conventional treatments.

25. (Currently Amended) The ~~immunomodulatory~~ immunomodulatory and vaccine complex according to claim 17 wherein the said complex is formulated in such a way that it enables simultaneous administration of the said complex together with substances selected from the group consisting of corticosteroids, antibiotics, antisecretory agents such as proton pump inhibitors, products with bacteriostatic effect, products with bactericidal effect and products with anti-inflammatory effect.

26. (Currently Amended) The ~~immunomodulatory~~ immunomodulatory and vaccine complex according to claim 18 wherein the said complex is formulated in such a way that it enables simultaneous administration of the said complex together with substances selected from the group consisting of corticosteroids, antibiotics, antisecretory agents such as proton pump inhibitors, products with bacteriostatic effect, products with bactericidal effect and products with anti-inflammatory effect.

27. (Currently Amended) The ~~immunomodulatory~~ immunomodulatory and vaccine complex according to claim 25 wherein the said complex is formulated in such a way that it enables administration of the said complex by a route selected from intravenous route, subcutaneous route, transdermal route and per os.

28. (Currently Amended) The ~~immunomodulatory~~ immunomodulatory and vaccine complex according to claim 26 wherein the said complex is formulated in such a way that it enables administration of the said complex by a route selected from intravenous route, subcutaneous route, transdermal route and per os.
